Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/08/2015 11:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123924	-1	4.30	123714	4.26
Blue	F	SSC	125000	122854	-2	3.25	123716	2.89
Blue	E	FITC	17998	17427	-4	2.75	983	9.72
Blue	D	PE	23234	22655	-3	2.19	1023	8.65
Blue	B	PerCP-Cy5-5	69571	67696	-3	3.02	1783	13.99
Blue	A	PE-Cy7	77815	76567	-2	4.07	993	27.62
Red	C	APC	65936	64864	-2	2.58	3664	8.33
Red	A	APC-Cy7	100669	99922	-1	2.59	1968	8.04
Violet	B	V450	10405	9859	-6	4.41	611	9.30
Violet	A	V500	47250	45656	-4	4.17	2577	6.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18930	22.28	622	43	N/A	N/A	Pass
Blue	F	SSC	61203	1.92	527	38	N/A	N/A	Pass
Blue	E	FITC	106	38.31	541	26	0.0214	168	Pass
Blue	D	PE	210	26.11	534	27	0.1543	147	Pass
Blue	B	PerCP-Cy5-5	213	43.07	621	31	0.0100	36	Pass
Blue	A	PE-Cy7	70	113.08	681	35	0.0121	11	Pass
Red	C	APC	339	27.44	590	12	0.0200	29	Pass
Red	A	APC-Cy7	123	39.71	571	12	0.0047	994	Pass
Violet	B	V450	64	47.83	474	24	0.0371	2002	Pass
Violet	A	V500	168	25.84	515	27	0.0134	949	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	09/08/2015 11:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.08	-30.91	0.70
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.19
Red	16.99	13.09 - 19.63	N/A	N/A	31.28	31.60	1.10

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 13657

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments